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Dated: July 5, 2005

Signature:

(Rebecca Butler-Guinan)

Docket No.: 29206-00054USPX
(PATENT)

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Shousheng He

Application No.: 10/521647

Confirmation No.: Not Yet Assigned

Filed: June 4, 2003

Art Unit: Not Yet Assigned

For: A METHOD OF NOISE WHITENING

Examiner: Not Yet Assigned

INFORMATION DISCLOSURE STATEMENT (IDS)

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to 37 CFR 1.56, 1.97 and 1.98, the attention of the Patent and Trademark Office is hereby directed to the references listed on the attached PTO/SB/08. It is respectfully requested that the information be expressly considered during the prosecution of this application, and that the references be made of record therein and appear among the "References Cited" on any patent to issue therefrom.

This Information Disclosure Statement is filed before the mailing date of a first Office Action on the merits as far as is known to the undersigned (37 CFR 1.97(b)(3)).

A copy of each reference on the PTO/SB/08 is attached.

In accordance with 37 CFR 1.97(g), the filing of this Information Disclosure Statement shall not be construed to mean that a search has been made or that no other material information as defined in 37 CFR 1.56(a) exists. In accordance with 37 CFR 1.97(h), the filing of this Information Disclosure statement shall not be construed to be an admission that any patent, publication or other information referred to therein is "prior art" for this invention unless specifically designated as such.

It is submitted that the Information Disclosure Statement is in compliance with 37 CFR 1.98 and the Examiner is respectfully requested to consider the listed references.

The Director is hereby authorized to charge any deficiency in the fees filed, asserted to be filed or which should have been filed herewith (or with any paper hereafter filed in this application by this firm) to our Deposit Account No. 10-0447, under Order No. 29206-00054USPX. A duplicate copy of this paper is enclosed.

Dated: July 1, 2005

Respectfully submitted,

By 

Ross T. Robinson

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ALTERNATIVE TO PTO/SB/08a/b (06-03)



Substitute for form 1449/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(Use as many sheets as necessary)

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|-------|---|----|---|------------------------|-----------------|
| Sheet | 1 | of | 1 | Attorney Docket Number | 29206-00054USPX |
|-------|---|----|---|------------------------|-----------------|

Complete if Known

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|----------------------|------------------|
| Application Number | 10/521647 |
| Filing Date | June 4, 2003 |
| First Named Inventor | Shousheng He |
| Art Unit | Not Yet Assigned |
| Examiner Name | Not Yet Assigned |

U.S. PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Document Number Number-Kind Code ² (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document |
|--------------------|-----------------------|---|--------------------------------|--|
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FOREIGN PATENT DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵ (if known) | Publication Date MM-DD-YYYY | Name of Patentee or Applicant of Cited Document | T ⁶ |
|--------------------|-----------------------|--|--------------------------------|--|----------------|
| | B1 | WO-02/33923 | 04-25-2005 | Telefonaktiebolaget LM Ericsson (publ) | |
| | B2 | WO-01/39448 | 05-31-2001 | Ericsson Inc. | |

*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS

| Examiner Initials* | Cite No. ¹ | Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published. | T ² |
|--------------------|-----------------------|---|----------------|
| | C1 | Al-Dahir, Naofal et al.; "MMSE Decision-Feedback Equalizers: Finite-Length Results"; IEEE Transactions of Information Theory, Vol. 41, No. 4, July 1995, pg. 961-975. | |
| | C2 | Hwang, Yin-Tsung et al.; "A Novel FPGA Design of a Wireless Block Transmission Channel Equalizer"; XP-002221821; IEEE 2000; pg. 119-122. | |
| | C3 | Wei, Lei et al.; "A Near Ideal Noise Whitening Filter for an Asynchronous Time-Varying CDMA System"; XP-002221758; IEEE Transactions on Communications, Vol. 44, No. 10, October 1996; pg. 1355-1361. | |
| | C4 | Lupas, Ruxandra et al.; "Near-Far Resistance of Multiuser Detectors in Asynchronous Channels"; XP-002019257; IEEE Transactions on Communications, Vol. 38, No. 4, April 1990; pg. 496-508. | |
| | C5 | Alexander, Paul D. et al.; "An Efficient Technique for Deriving Receiver Filters in Multiuser Asynchronous DS/SSMA"; XP-000607885; IEEE International Symposium On Personal, Indoor and Mobile Radio Communications; September 18-23, 1994; pg. 519-523. | |

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